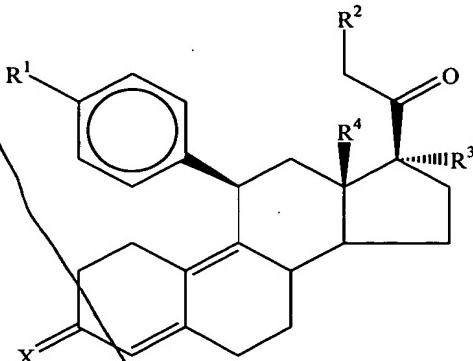


WHAT IS CLAIMED IS:

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A compound having the general formula:



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3 wherein:

4 R¹ is a member selected from the group consisting of -OCH₃, -SCH₃,
 5 -N(CH₃)₂, -NHCH₃, -NC₄H₈, -NC₅H₁₀, -NC₄H₈O, -CHO, -CH(OH)CH₃, -C(O)CH₃,
 6 -O(CH₂)₂N(CH₃)₂, -O(CH₂)₂NC₄H₈, and -O(CH₂)₂NC₅H₁₀;

7 R² is a member selected from the group consisting of hydrogen,
 8 halogen, alkyl, acyl, hydroxy, alkoxy, acyloxy, alkylcarbonate, cypionyloxy, S-alkyl, -SCN,
 9 S-acyl, and -OC(O)R⁶, wherein R⁶ is a member selected from the group consisting of alkyl,
 10 alkoxy ester and alkoxy;

11 R³ is a member selected from the group consisting of alkyl, hydroxy,
 12 alkoxy and acyloxy;

13 R⁴ is a member selected from the group consisting of hydrogen and
 14 alkyl; and

15 X is a member selected from the group consisting of =O and =N-OR⁵,
 16 wherein R⁵ is a member selected from the group consisting of hydrogen and alkyl.

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✓2. The compound in accordance with claim 1, wherein R¹ is a member
 selected from the group consisting of -N(CH₃)₂, -NC₄H₈, -NC₅H₁₀, -NC₄H₈O, -C(O)CH₃,
 -O(CH₂)₂N(CH₃)₂, -O(CH₂)₂NC₄H₈, and -O(CH₂)₂NC₅H₁₀.

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✓3. The compound in accordance with claim 1, wherein R² is a member
 selected from the group consisting of hydrogen, acyloxy, alkoxy, -SAC, -SCN,

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-OC(O)CH₂N(CH₃)₂, and -OC(O)R⁶, wherein R⁶ is a member selected from the group consisting of alky, alkoxy ester and alkoxy.

1 4. The compound in accordance with claim 3, wherein R² is -OC(O)R⁶ and R⁶ is a member selected from the group consisting of -CH₂CH₃, -CH₂OCH₃ and -OCH₃.

1 5. The compound in accordance with claim 1, wherein R² is an alkoxy selected from the group consisting of methoxy, ethoxy, vinyloxy, ethynyoxy and cyclopropyloxy.

1 6. The compound in accordance with claim 1, wherein R³ is a member selected from the group consisting of alkyl, alkoxy, acyloxy and hydroxy.

1 7. The compound in accordance with claim 1, wherein R⁴ is alkyl.

1 8. The compound in accordance with claim 1, wherein X is =O.

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9. The compound in accordance with claim 1, wherein X is =N-OR⁵.

10. The compound in accordance with claim 1, wherein:

R¹ is -N(CH₃)₂;

R² is hydrogen;

R³ is acyloxy;

R⁴ is methyl; and

X is =O.

11. The compound in accordance with claim 10, wherein R³ is acyloxy selected from the group consisting of -OC(O)H, -OC(O)CH₂CH₃ and -OC(O)C₆H₁₃.

12. The compound in accordance with claim 1, wherein:

R¹ is -N(CH₃)₂;

R² is hydrogen;

R³ is methoxymethyl;

5 R⁴ is methyl; and
6 X is =O.

1 X 13. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₄H₈;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 X 14. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 X 15. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₄H₈O;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 X 16. The compound in accordance with claim 1, wherein:

2 R¹ is -C(O)CH₃;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

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- ~~17. The compound in accordance with claim 1, wherein:~~

~~R¹ is -SCH₃;~~

~~R² is hydrogen;~~

~~R³ is acetoxy;~~

~~R⁴ is methyl; and~~

~~X is =O.~~

~~18. The compound in accordance with claim~~

~~wherein:~~

~~R¹ is -N(CH₃)₂;~~

~~R² is hydrogen;~~

~~R³ is methoxy;~~

~~R⁴ is methyl; and~~

~~X is =O.~~

~~19. The compound in accordance with claim 1, wherein:~~

~~R¹ is -NC₅H₁₀;~~

~~R² is hydrogen;~~

~~R³ is methoxy;~~

~~R⁴ is methyl; and~~

~~X is =O.~~

~~20. The compound in accordance with claim 1, wherein:~~

~~R¹ is -NC₅H₁₀;~~

~~R² is acetoxy;~~

~~R³ is acetoxy;~~

~~R⁴ is methyl; and~~

~~X is =O.~~

1 21. The compound in accordance with claim 1, wherein:
2 R¹ is -C(O)CH₃;
3 R² is acetoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 22. The compound in accordance with claim 1, wherein:
2 R¹ is -C(O)CH₃;
3 R² is -SAC;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 23. The compound in accordance with claim 1, wherein:
2 R¹ is -C(O)CH₃;
3 R² is methoxy;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 ✓ 24. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is methoxy;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 ✓ 25. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is methoxy;

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4 R³ is ethoxy;
5 R⁴ is methyl; and
6 X is =O.

1 26. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₄H₈;
3 R² is methoxy;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 27. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;
3 R² is methoxy;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 28. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 29. The compound in accordance with claim 1, wherein:

2 R¹ is -C(O)CH₃;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

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1 + 30. The compound in accordance with claim 1, wherein:
2 R¹ is -O(CH₂)₂N(CH₃)₂;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 + 31. The compound in accordance with claim 1, wherein:
2 R¹ is -O(CH₂)₂NC₄H₈;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 + 32. The compound in accordance with claim 1, wherein:
2 R¹ is -O(CH₂)₂NC₅H₁₀;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 + 33. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is -OC(O)CH₂CH₃;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 + 34. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is -OC(O)CH₂OCH₃;

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4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 **35.** The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is -OC(O)OCH₃;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 **36.** The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is -OCH=CH₂;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 **37.** The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is -OCH=CH₂;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 **38.** The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is -OCH=CH₂;
4 R³ is ethoxy;
5 R⁴ is methyl; and
6 X is =O.

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cont.

1 39. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is -SCN;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 40. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is -OC(O)H;
4 R³ is -OC(O)H;
5 R⁴ is methyl; and
6 X is =O.

1 41. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is -OC(O)H;
4 R³ is hydroxy;
5 R⁴ is methyl; and
6 X is =O.

1 42. The compound in accordance with claim 1, wherein:
2 R¹ is -N(CH₃)₂;
3 R² is -OC(O)CH₂N(CH₃)₂;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

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1 43. The compound in accordance with claim 1, wherein:
2 R¹ is -NC₅H₁₀;
3 R² is hydrogen;

R^3 is acetoxy;
 R^4 is methyl; and
 X is $=N-OR^5$, wherein R^5 is hydrogen.

- 44.** The compound in accordance with claim 1, wherein:
 R^1 is $-N(CH_3)_2$;
 R^2 is hydrogen;
 R^3 is methoxy;
 R^4 is methyl; and
 X is $=N-OR^5$, wherein R^5 is hydrogen.

45. The compound in accordance with claim 1, wherein:
 R^1 is $-NC_5H_{10}$;
 R^2 is hydrogen;
 R^3 is methoxy;
 R^4 is methyl; and
 X is $=N-OR^5$, wherein R^5 is hydrogen.

46. The compound in accordance with claim 1, wherein:
 R^1 is $-N(CH_3)_2$;
 R^2 is methoxy;
 R^3 is methoxy;
 R^4 is methyl; and
 X is $=N-OR^5$, wherein R^5 is hydrogen.

47. The compound in accordance with claim 1, wherein:
 R^1 is $-NHCH_3$;
 R^2 is methoxy;
 R^3 is acetoxy;
 R^4 is methyl; and
 X is $=O$.

1 +48. The compound in accordance with claim 1, wherein:

2 R¹ is -NHCH₃;

3 R² is acetoxy;

4 R³ is acetoxy;

5 R⁴ is methyl; and

6 X is =O.

1 ✓ 49. A pharmaceutical composition comprising an effective amount of a
2 compound in accordance with claim 1 and a pharmaceutically acceptable excipient.

1 50. A method of producing an antiprogestational effect in a patient, said
2 method comprising administering to said patient an effective amount of a compound in
3 accordance with claim 1.

1 51. A method of inducing menses in a patient, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 52. A method of treating endometriosis, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 53. A method of treating dysmenorrhea, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 54. A method of treating endocrine hormone-dependent tumors, said
2 method comprising administering to said patient an effective amount of a compound in
3 accordance with claim 1.

1 55. A method of treating meningiomas, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

56. A method of treating uterine fibroids in a patient, said method comprising administering to said patient an effective amount of a compound in accordance with claim 1.

1 **57.** A method of inhibiting uterine endometrial proliferation in a patient,
2 said method comprising administering to said patient an effective amount of a compound in
3 accordance with claim 1.

58. A method of inducing labor, said method comprising administering to a patient an effective amount of a compound in accordance with claim 1.

59. A method of contraception, said method comprising administering to a patient an effective amount of a compound in accordance with claim 1.

60. A method of postcoital contraception, said method comprising
administering to a patient an effective amount of a compound in accordance with claim 1.

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